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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/661,412	09/11/2003	Eyal Aronoff	QSFT.150A	6659

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EXAMINER

LEWIS, CHERYL RENE

ART UNIT PAPER NUMBER

2167

DATE MAILED: 03/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/661,412	<b>Applicant(s)</b> ARONOFF ET AL.	
	<b>Examiner</b> Cheryl Lewis	<b>Art Unit</b> 2167	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 11 September 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>3/18/04; 5/24/05; 5/25/04</u> | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. Claims 1-26 are presented for examination.

### **INFORMATION DISCLOSURE STATEMENT**

2. The information disclosure statements filed on March 18, 2004; May 24, 2004; and August 25, 2004, complies with the provisions of MPEP § 609. They have been placed in the application file, and the information referred to therein has been considered as to the merits.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Holenstein et al. (Pat. No. 7,003,531 filed December 10, 2002, hereinafter Holenstein).
5. Regarding Claim 1, Holenstein teaches synchronization of plural databases in a database replication system.

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The method and associated system for synchronization of plural databases in a database replication system as taught or suggested by Holenstein includes:

receiving one or more data requests from a client application over a first client connection (col. 5, lines 1-67, col. 6, lines 1-67, col. 7, lines 1-67, col. 8, lines 1-67, col. 9, lines 1-67, col. 10, lines 1-67), the one or more data requests requesting access to data of a first data file; associating a timestamp with each data request (col. 5, lines 1-67, col. 6, lines 1-67, col. 7, lines 1-67, col. 8, lines 1-67, col. 9, lines 1-67, col. 10, lines 1-67); forwarding requests to a first database management system capable of accessing the data of the first data file (col. 5, lines 1-67, col. 6, lines 1-67, col. 7, lines 1-67, col. 8, lines 1-67, col. 9, lines 1-67, col. 10, lines 1-67); forwarding each data request and each associated timestamp to memory (col. 5, lines 1-67, col. 6, lines 1-67, col. 7, lines 1-67, col. 8, lines 1-67, col. 9, lines 1-67, col. 10, lines 1-67); forwarding replication data to memory (col. 5, lines 1-67, col. 6, lines 1-67, col. 7, lines 1-67, col. 8, lines 1-67, col. 9, lines 1-67, col. 10, lines 1-67), the replication data is sufficient to indicate changes made to the data of the first file based on the data requests, wherein each replication data includes a timestamp (col. 5, lines 1-67, col. 6, lines 1-67, col. 7, lines 1-67, col. 8, lines 1-67, col. 9, lines 1-67, col. 10, lines 1-67); comparing timestamps of the replication data of one more requests (col. 5, lines 1-67, col. 6, lines 1-67, col. 7, lines 1-67, col. 8, lines 1-67, col. 9, lines 1-67, col. 10, lines 1-67); one or more requests are determined to be redundant to the one or more replication data based on the timestamps and forwarding the second database system capable of a

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second data file access (col. 5, lines 1-67, col. 6, lines 1-67, col. 7, lines 1-67, col. 8, lines 1-67, col. 9, lines 1-67, col. 10, lines 1-67).

6. Regarding Claim 2, Holenstein teaches each timestamp comprises a location ID (col. 5, lines 1-67, col. 6, lines 1-67, col. 7, lines 1-67, col. 8, lines 1-67, col. 9, lines 1-67, col. 10, lines 1-67).

7. Regarding Claim 3, Holenstein teaches the location ID associated with the one or more data requests corresponds to an indication of a current location in a log file associated with the first database management system (col. 5, lines 1-67, col. 6, lines 1-67, col. 7, lines 1-67, col. 8, lines 1-67, col. 9, lines 1-67, col. 10, lines 1-67).

8. Regarding Claim 4, Holenstein teaches the location ID associated with the one or more replication data corresponds to the location in a log file associated with the first database management system (col. 5, lines 1-67, col. 6, lines 1-67, col. 7, lines 1-67, col. 8, lines 1-67, col. 9, lines 1-67, col. 10, lines 1-67).

9. Regarding Claim 5, Holenstein teaches the location ID comprises a sequence number and an offset (col. 5, lines 1-67, col. 6, lines 1-67, col. 7, lines 1-67, col. 8, lines 1-67, col. 9, lines 1-67, col. 10, lines 1-67).

10. Regarding Claims 6-16, the limitations of these claims have been noted in the rejection of claims 1-5 above. They are therefore rejected as set forth above.

11. Regarding Claim 17, Holenstein teaches a first system with a second system wherein at least a portion of a first data file of the first system is replicated in a second data file of the second system (col. 5, lines 1-67, col. 6, lines 1-67, col. 7, lines 1-67, col. 8, lines 1-67, col. 9, lines 1-67, col. 10, lines 1-67); determining a move communication

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over a first connection between a client application and the first data file through the first system to a second connection between the client application and the second data file through the second system (col. 5, lines 1-67, col. 6, lines 1-67, col. 7, lines 1-67, col. 8, lines 1-67, col. 9, lines 1-67, col. 10, lines 1-67); and moving the communication to the second communication in a manner allowing the client application to not fail (col. 5, lines 1-67, col. 6, lines 1-67, col. 7, lines 1-67, col. 8, lines 1-67, col. 9, lines 1-67, col. 10, lines 1-67).

12. Regarding Claims 18-26, the limitations of these claims have been noted in the rejection of claims 1-5 above. They are therefore rejected as set forth above.

#### **NAME OF CONTACT**

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheryl Lewis whose telephone number is (571) 272-4113. The examiner can normally be reached on 6:30-3:00.

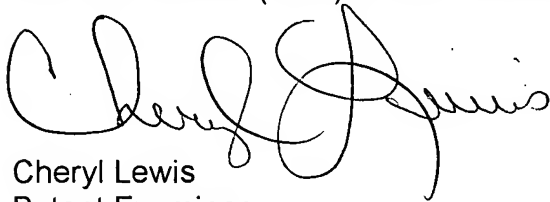
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

(571) 273-4113 (Use this FAX #, only after approval by Examiner, for "INFORMAL" or "DRAFT" communication. Examiners may request that a formal paper/amendment be faxed directly to them on occasions.).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/ Technology Center (571) 272-2100.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "Cheryl Lewis". The signature is stylized with large, flowing loops and is positioned above the printed name.

Cheryl Lewis  
Patent Examiner  
March 17, 2006